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[ECA rule processing in distributed and heterogeneous environments - group of 3 »](#)

S Chakravarthy, R Le, R Dasari - Distributed Objects and Applications, 1999. Proceedings of ... , 1999 - [ieeexplore.ieee.org](#)

... Providing active capability (**Event — Condition — Action** or ECA rules) to these applications ... The **containers** of events, conditions and actions are orthogonal ...

Cited by 22 - [Related Articles](#) - [Web Search](#)

[Repositories and object oriented databases - group of 15 »](#)

PA Bernstein - ACM SIGMOD Record, 1998 - [portal.acm.org](#)

... definition contains a column definition), then deleting a **container** object should ... are essentially triggers in a SQL database or **event-condition-action** rules in ...

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[Rule-based query optimization, revisited - group of 5 »](#)

LB Warshaw, DP Miranker - Proceedings of the eighth international conference on ... , 1999 - [portal.acm.org](#)

... refinements concerning the more focused execution behavior of **event, condition, action** (ECA) rules ... meanings of the OpenLis t and the Clos- edLis t **containers**). ...

Cited by 14 - [Related Articles](#) - [Web Search](#)

[Modularization techniques for active rules design - group of 4 »](#)

E Baralis, S Ceri, S Paraboschi - ACM Transactions on Database Systems (TODS), 1996 - [portal.acm.org](#)

... The analysis technique in Karadimce and Urban [1994] is based on the reduction of **event-condition-action** rules to term rewriting systems. Then, ...

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[\[PS\] One-to-One Personalization of Data-Intensive Web Sites - group of 3 »](#)

S Ceri, P Fraternali, A Maurino, S Paraboschi - WebDB (Informal Proceedings), 1999 - [www-rocq.inria.fr](#)

... we believe that it should follow the ECA (**event-condition-action**) paradigm: on ... may also be required to assemble sets of objects into special **containers**, called ...

Cited by 13 - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

[\[PS\] DeeDS: A distributed active real-time database system](#)

S Andler, M Berndtsson, B Efring, J Eriksson, J ... - University of Skovde, Sweden, Tech. Rep. HS-IDA-TR-95-008, 1995 - [ida.his.se](#)

... Most approaches adopt the notion of **event-condition-action** rules (ECA) proposed in ... OBST stores objects by unique identifiers in **containers** that are the unit of ...

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[Herbal-T, enabling integration, interoperability, and reusability of Internet components](#)

I Hilerio, W Chen - Proceedings of the international joint conference on Work ... , 1999 -

portal.acm.org

... models can not be shared between different **container** environment, Applets ... create a reactive intelligent framework that supports **Event-Condition-Action** rules P41 ...

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Consistency management for complex applications - group of 9 »

P Tarr, LA Clarke - Software Engineering, 1998. Proceedings of the 1998 (20th) ..., 1998 - [ieeexplore.ieee.org](#)

Page 1. Consistency Management for Complex Applications Peri Tarr Lori A. Clarke
IBM TJ Watson Research Center PO Box 704 Yorktown Heights, NY 10598 ...

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[PS] Synthesis of Services in Open Commerce Environments - group of 2 »

C Nikolaou, M Marazakis, D Papadakis - Proc. Special Track on Electronic Commerce on the Internet, ..., 1998 - [srdc.metu.edu.tr](#)

... of the Aurora architecture is that the network of **containers** involved in ... specifications expressed using the HERMES language in the form of **Event-Condition-Action** ...

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[PS] Monitoring Network Logs for Anomalous Activity - group of 3 »

L Warshaw, SP Matzner, DP Miranker, L Obermeyer, D ... - Applied Research Laboratories at the University of Texas at ..., 1998 - [gta.ufrj.br](#)

... The rules in our system are the familiar **Event-Condition-Action** (ECA) rules. ... way of the AML as described by Obermeyer and Miranker [9]. A **container** instance of ...

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[Also published in ...](#)**Authors** [Israel Hilerio](#) i2 Technologies, 909 E. Las Colinas Blvd., Irving, TX
[Weidong Chen](#) Computer Science Department, Southern Methodist University, P.O. Box 750122, Dallas, TX**Publisher** ACM Press New York, NY, USA**Additional Information:** [abstract](#) [references](#) [index terms](#) [collaborative colleagues](#) [peer to peer](#)**Tools and Actions:** [Find similar Articles](#) [Review this Article](#)
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[What is a DOI?](#)**↑ ABSTRACT**

Herbal-T introduces an architecture where Internet component integration, interoperability, and component instantiation are the base for information flow coordination. This architecture introduces a framework for combining object functionality across the Internet to create new Internet applications. These new applications are defined in terms of active relationships. The concept of active relations as found in active databases is extended to define a new paradigm for creating Internet applications. In addition, Internet component interoperability is achieved using Applets, Java Applications, CORBA and RMI. This paper presents how the Herbal-T architecture support extends active relations to create an integration, interoperability, and reusability framework.

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Note: OCR errors may be found in this Reference List extracted from the full text article. ACM has opted to expose the complete List rather than only correct and linked references.

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↑ INDEX TERMS

Primary Classification:

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H. Information Systems

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- ↳ **H.3 INFORMATION STORAGE AND RETRIEVAL**
 - ↳ **H.3.5 On-line Information Services**
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- ↳ **H.5 INFORMATION INTERFACES AND PRESENTATION (I.7)**
 - ↳ **H.5.3 Group and Organization Interfaces**
 - ↳ **Subjects:** Web-based interaction

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... to SQL views, is **event-condition-action** rules / "active ... A sixth approach for representing **business** rules is ... 3 version of first-order **predicate** calculus (ie ...

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... oc- curred, and forms the basis for the **integration** of events ... with two new elements, an event **condition** C Ev , which can be an arbitrary **predicate** over the ...

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... a **predicate** over the event's parameters, may be ... of a rule realizing some **business** policy again and ... of rules, predefining certain **event/condition/action**-pairs. ...

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S Ceri, P Fraternali, A Maurino, S Paraboschi - WebDB (Informal Proceedings), 1999 - [www-rocq.inria.fr](#)

... **condition-action** paradigm: they are triggered by a given ... EVENT
eventType="SessionStart"/>

<**CONDITION predicate**="User.LastLogin ... of using **business** rules instead ...

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D Kinny, M Georgeff - Intelligent Agents III: Proceedings of the Third ..., 1996 - [ajcastro.com](#)

... For example, a goal of determination applied to an evaluable **predicate** will always succeed immediately. ... event **condition**] ? h event **condition**] / action ? uh ...

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C Zaniolo - 1997 - [books.google.com](#)

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... machine with transitions driven by **Event-Condition-Action** rules (ECA ... IN(<state>)
is a standard **predicate** provided by the ... that is, both know that **condition C** is ...
[Cited by 114](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

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... In fact, **event-condition-action** (ECA) paradigm for rule-based ... Classical Petri nets,
Condition/Event-nets and Place ... Petri nets such as **Predicate/Transition** nets ...
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... and transitions driven by **Event-Condition-Action** rules (ECA ... be interpreted as
predicate
symbols of a ... contradicting or incomplete **conditions**, manual interaction ...
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... language used for modeling the **Event-Condition-Action** (ECA) rules. ... of an ECA rule
is the **condition** clause, which ... A **predicate** corre- sponds to either a service ...
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... for the specification of the application behavior according to **Event-Condition-Action** mecha- nism ... An elementary **condition** is either a **predicate** or a ...

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... system events in order to evaluate some System State **Predicate** (SSP ... the model underlying

the framework: an extension of the **Event-Condition-Action** (ECA) model ...

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A Tuzhilin - 1991 - dspace.nyu.edu

... Action-Event-Condition- Action (AECA) model. ... P is a temporal **predicate**, then we consider the following set of basic temporal actions: ...

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... Each **predicate** is either a task-state vector or a Boolean expression. ... task_2, state_2 && **condition** ... This is similar to an **Event-Condition-Action** ECA rule C ...

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... views, mediators, intelligent **integration** of information ... for new Track instances meeting the **predicate**. ... those which support **Event- Condition-Action** (ECA) rules ...

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[RBE: a rule-by-example active database system - group of 4 »](#)

YI Chang, FL Chen - Software - Practice and Experience, 1997 - doi.wiley.com

... types and rule types, and **business** data types ... field ::= field name action **condition** ::= f restriction ... any atom >> /* disjunctions */ j **predicate** atomic value ...

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... **Event Condition Action** ... The **condition** p may involve relevant **predicate**. ... (This test is essential for the rst execution.) Two, the connector **condition** is not ...

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... state transitions 16 4.4 Histories and **conditions** on event ... the needs of an organisation and its **business**. • **Integration** of workflow facilities in multi-media ...

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... Systems Department, Stern School of **Business**, New York ... also based on the **Event-Condition-Action** model of ... **Condition-Activity** structure (described in Section ...

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... indicate by means of explicit **event-condition-action** specifications how ... 6 shows the result of **condition**-based analysis ... expressed by the meta-**predicate** old, as ...

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[Autonomous objects: A natural model for complex applications - group of 11 »](#)

A Kemper, PC Lockemann, G Moerkotte, HD Walter - Journal of Intelligent Information Systems, 1994 - Springer

... today still prevailing--applications of **business** and administration ... trigger concept and the **event-condition-action** rules ... the events and **conditions** are specified ...

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... this knowledge is generally based on **Event/Condition/Action** rules (ECA ... each event, a guard, ie, a **predicate** over the ... The **condition** part of a rule is specified ...

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[Compile-time and runtime analysis of active behaviors - group of 12 »](#)

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... rule sets are often derived from an initial **condition**-action structure [15], general **event-condition-action** rules cannot ... The **Condition** is a **predicate** on the ...

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[Active Rule Termination Analysis: An Implementation and Evaluation of the Refined Triggering Graph ... - group of 6 »](#)

SD Urban, MK Tschudi, SW Dietrich, AP Karadimce - Journal of Intelligent Information Systems, 1999 - Springer

... rules in CDOL follow the **event-condition-action** paradigm as ... for triggering formulae expressed as CDOL **conditions**. ... be represented as a **predicate** consisting of a ...

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[An Event-and Repository-based Component Framework for Workflow System](#)

Architecture - group of 2 »

D Tombros - 1999 - ifi.unizh.ch

... It provides an **integration** platform for ... organizational information exchange can be facilitated and information consistency regarding **business** transactions can ...

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Simulation modeling within workflow technology - group of 6 »

JA Miller, AP Sheth, KJ Kochut, X Wang, A Murugan - Proceedings of the 27th conference on Winter simulation, 1995 - portal.acm.org

... provide valuable feedback to the **business** process model ... Each **predicate** is either a task-state ... community, this represents an **Event-Condition-Action** (ECA) rule ...

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[PS] A WORKFLOW MANAGEMENT AND SIMULATION SYSTEM AND ITS SUPPORTING OBJECT-ORIENTED KNOWLEDGE BASE ... - group of 5 »

MK JAGANNATH - 1997 - cis.ufl.edu

... **business** processes ... Therefore, there is a need for the **integration** of workow tech ... workow

processes and use **event-condition-action**-alternative-action rules to spec ...

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A formal semantics for an active functional DBPL - group of 6 »

A Poullovassilis, S Reddi, C Small - Journal of Intelligent Information Systems, 1996 - Springer

... Active databases support **Event-Condition-Action** (ECA) rules which respond ... by executing actions if **conditions** are satisfied ... A filter is a **predicate** which must ...

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